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Burbank's Bulb Catalogue

and

"How to Judge Novelties"

Burbank's
Experiment
Farms

Luther Burbank
Santa Rosa, California, U. S. A.

Partial Field View of Burbank's Hybrid Watsonias at the Sebastopol Farm

The Burbank Gladiolus

And Other New Bulbous and Similar Ornamental Plants

TERMS: All but the heaviest bulbs mentioned in this catalogue will be *delivered at your door, prepaid,* by mail or express, but my responsibility for safe arrival ceases on delivery to the proper forwarding agents. Cash must accompany all orders on these terms.

LUTHER BURBANK, Santa Rosa, Cal., U. S. A.

Catalogues to Follow

"Royal" Walnut Catalogue and Price List.

Partial list of my best new Plums, etc.

Plant Catalogue, describing some new Burbank creations of unusual merit.

Seed Catalogue offering some rare seeds never before offered.

Descriptive Price List of some New Cactus bearing most delicious fruits, also greatly improved Forage varieties.

How to Judge Novelties

FORTY YEARS AGO, when I commenced extensive work on the Gladioli, the best of them then known grew tall, ungraceful stalks which were too easily blown over even by a light wind; the flowers were small, only a few blooming on the same plant at once, and these so thin of petal that most of them were withered before a day had passed. What a revolution today! From Nature's Horn of Plenty, new ones have been developed which in variety, beauty, and magnificence of form, color, and shading of color are unequaled by any other flower. My own first efforts were to make the stalks shorter and stronger and to induce the small scattering flowers to produce petals of such substance that they would resist sun, wind, rain, and heat for many days, and to make the colors more brilliant and the individual flowers more graceful in outline and of greatly increased size. How well this work has been done, the older growers and dealers are well aware, and I now take great pleasure in offering some of these wonderful Gladiolus in large or small lots at the most attractive prices ever made, even for the older and more ordinary kinds.

This work on the Gladioli has been carried on extensively through these many years, while at the same time some six thousand other similar enterprises were also under my own personal supervision and care. Even when I look now upon the wonderful results of numerous other experiments, the work on this unusually pliable plant is among the most pleasing, even with the fact before me that the whole Pacific Coast fruit industry is being revolutionized, as is more or less the case for the whole world in certain lines by the new fruits which have originated on my own grounds by my own efforts. From official sources I learn that *85 per cent* of all Plums shipped overland from California and west by sea are those produced and introduced by my own efforts in this line—*a record unparalleled on Earth before.* These Plums and Prunes, as a whole, though selling on an average *15 to 18 per cent higher* than others, also produce at least *60 per cent more fruit,* and of larger size, more easily handled, and of better keeping quality. It is thus readily seen how those who are abreast of the times in planting *Burbank fruits* live in fine houses and have automobiles and satisfactory bank balances. But Gladiolus, Plums, and Prunes are only a sample of the good things produced on my grounds, though these are also grown extensively in every part of the Earth where these fruits and flowers are cultivated.

My *perpetual Giant Crimson Rhubarb* is also very extensively exported from this State. It has made several "Rhubarb Kings" in California and South Africa. My *Pineapple, Van Deman* and *Burbank Quinces* are wholly making over and upbuilding that growing industry. All these new varieties are so greatly superior to *all* others in beauty,

quality, and productiveness that they stand wholly alone as a *new kind of fruit.* Much the same may be said of my new *Cherries, Berries, Peaches, Walnuts, Chestnuts, Daisies, Roses, Cannas, Dahlias, Watsonias, Tigridias, Lippias, Verbenas,* and *Corns, Peas,* and *Tomatoes,* the last three being very extensively grown for the great canning firms of America. And what of the *Burbank Potato, more than five hundred million bushels* of which have been grown during the last forty-three years?

These few facts have been outlined that *you may know,* if you do not already, that fifty years of honest, earnest thought and work in the creation of new plants on the most extensive scale ever attempted, either by public or private enterprise, on this Earth, in this most intricate and complicated of the arts and sciences, has earned the *confidence and esteem of all intelligent people,* as is proved by my more than 96,000 satisfied customers.

THEN, HOW TO JUDGE NOVELTIES—LOOK TO THEIR SOURCE, and purchase direct of the originator.

Offer Extraordinary

Burbank Gladiolus

One hundred thousand absolutely new varieties of every form and color ever produced from this wonderfully variable plant, including scarlet, crimson, yellow, blue, purple, lavender, orange, salmon, and pink, with infinitely varied combinations of all the rainbow colors. Such a mass of brilliant colors can not be produced at many times the cost of these in any other flower. Last season people came in multitudes to look over the fence in admiration of these very ones here offered. Not an old one in the whole lot. All Burbank productions. Bulbs, each, 40c; ten, $3; one hundred, $20; one thousand, $150.

First Offer of Gladioli Seeds

This season I have saved seeds from over one hundred thousand varieties. This seed is producing and will produce new prize varieties of every size, shape, and color. If you wish to take advantage of more than a third of a century of work with the Gladiolus, plant some of this seed and produce new varieties, some of which may be far superior to those now known.

Plant early in the Spring, rather thickly, one-half inch deep, in any good, rich, moist, mellow soil. The seed germinates as surely as corn or beans, and will bring forth most interesting and astonishing results. Nearly all will bloom the second season if well grown, some the first. Packet of one hundred seeds, 25c; one thousand seeds, $2; ten thousand seeds, $10; one hundred thousand seeds, $75.

New Gladiolus

"Pinnacle"

Seedling of that always popular florists' variety, *America,* which for its beauty, vigor, and adaptability to all soils and climates has won itself into favor everywhere.

Pinnacle resembles America, especially in its robust vigor and freedom of growth. Height, three and one-half feet. *Five or six flowers* are open on the stalk at the *same time*—white, deeply tinged, striped, and feathered crimson. Thrives, blooms, and multiplies abundantly on all soils. Bulbs, each, 60c; ten, $4.

New Gladiolus

"Fire"

Height, three feet; flowers five inches across; fiery salmon scarlet, crimson feathering; lower petals tinged straw color with white stripes and gold and crimson dots. Strong, vigorous, healthy plants. Price, each, $1; ten, $5.

New Gladiolus

"Scarlet"

Height, two and one-half feet; vigorous, healthy, and a good multiplier. Clear scarlet except that lower petals are feathered deep crimson and bordered white. Bulbs, each, 75c; ten, $5.

New Gladiolus

"Penstemon"

Enormously prolific; height, three and one-half feet. Very large bright red flowers; lower petals feathered light yellow and splashed crimson. Bulbs, each, 60c; ten, $5.

New Gladiolus

"Acanthus"

Height, three feet; pure pale crimson and slightly tinged orange; flowers four inches across; very abundant bloomer and free multiplier. Bulbs, each, 60c; ten, $5.

New Gladiolus

"Abutilon"

Very dwarf; height, two feet; almost pure red. Fine for bedding and masses. Bulbs, each, 40c; ten, $3.

New Gladiolus

"Elora"

Height, three and one-half feet; great bloomer, even from the smallest bulbs; slender blue green foliage; long, full truss; flowers produced in greatest abundance, four and a half to five inches across; WHITE suffused with pale violet; yellow throat with dainty crimson featherings; very striking. Multiplies with great rapidity. No other Gladiolus compares with it in health and vigor. It is destined to be the forerunner of a new race. Bulbs, each, $3; large bulblets, each, 35c; ten, $3.

Gladiolus bulbs can be planted at *any time of year,* when most convenient to the planter, in all climates where the ground does not freeze over three inches in depth; in colder climates, all Spring and Summer; and, if planted in succession, will yield a wealth of blooms which no other flower can surpass in abundance, beauty, variety, or ease of culture.

Plant *six inches deep* and two to six inches apart each way in beds, or two to six inches apart in rows, which may be one to four feet apart.

If I should be sold out of any variety here offered, will replace it with a *better one,* of which I have not enough bulbs to offer this season.

Watsonia (Bugle Lily)

A genus of sixteen species of bulbous plants, all from the Cape of Good Hope, except one from Madagascar. The flowers of the original species have scarlet, rose, and white flowers only and bloom from July to September. They are very much like Gladioli, having the same foliage and a similar corm. The main differences between Watsonias and Gladioli are that the Watsonias have regular flowers, while the upper and lower petals of Gladioli differ in form and size. Great interest was aroused some years ago when the "White Watsonia" (W. Andernei) was introduced. This was found by Mr. H. W. Anderne, a banker, some eighty miles from Capetown, in a bog amongst thousands of the dull rose pink variety. This grows three to four feet high, bearing a dozen or more pure white blooms to each stalk. The purity of its color makes it especially valuable for floral work. Treat Watsonias exactly like Gladiolus, though the bulbs are slightly more sensitive to drying too much. Can be planted at any season if dormant. From July to November are the best months to move them.

Watsonias—The Old at the Left, the New at the Right

New Watsonia

"Royal White"

No Watsonia before seen can compare with "Royal White" in its astounding productiveness of large, purest white flowers borne on double and triple trusses. "Royal White" most resembles a tall branching white Gladiolus, but will produce nearly or quite ten times as many blossoms to each bulb, and of a crystal, glistening whiteness never seen in Gladioli. The coming florists' flower, "Royal White" produces *all large bulbs* (no small ones), multiplies rapidly, and in all respects is the best Watsonia ever produced. Height, four to five feet. Bulbs, each, $2; ten, $15.

New Watsonia

"Snow Storm"

A perfect storm of snowiest white, graceful, open, saucer-shaped flowers, nearly three inches across. Short, broad foliage; height, four to seven feet. Bulbs, each, $1; ten, $9.

New Watsonia

"Salmonia"

Fiery salmon flowers, compact truss, short dark-green foliage. Very large, long, tubular flowers. Bulbs, each, $1; ten, $9.

New Watsonia

"Combustion"

Very dwarf plant, with short, slender foliage. Stems three feet in height, with flowers of intense fiery scarlet salmon color. Commences to bloom earlier than others. A beautiful foreground for the taller varieties. Bulbs, each, 90c; ten, $8.

Watsonias

New Hybrid Seedlings, mixed. Bulbs, ten, 75c; one hundred, $5.

The New Burbank Hybrid Hemerocallis

The seven species of Hemerocallis, or "Beautiful-by-day" lilies, are all well known as among the most beautiful of all hardy perennial plants. Very little has been done with them by crossing and selection until quite recently. Among the thousands of cross-bred seedlings raised during the past ten years at Santa Rosa, the "Burbank" stands out easily as by far the best ever produced, either by Nature or by the aid of man.

A New Hybrid Hemerocallis

The "Burbank"

The "Lemon Lily," though bearing a small flower, has been considered one of the best until recently the "Grandiflora Aurantiaca Major" was introduced. And now comes a new one, the "Burbank," which in combination of size, great beauty of form and color of the flowers, and their amazing abundance and perpetual production, has never been equaled—a wholly new form. Height, twelve to eighteen inches. Every little plant blooms abundantly from the first; the flowers open wide and flat, not irregular and tubular like all those heretofore known; flowers five to six inches across; purest sparkling pale-lemon yellow throughout. Increases rapidly. Each, $2; three, $5.

A New Hybrid Hemerocallis

"Calypso"

The flowers of "Calypso" resemble big pure lemon-yellow lilies, and can be produced anywhere, while the true lilies are not easily grown. The flowers are produced nearly all the season; the petals are revolute like the true lilies; height, three feet. Each, 75c; three, $1.50.

Another New Hemerocallis

"Surprise"

Flowers, very light straw yellow—almost white—very large, full, and open. Blooms almost constantly through the season; height, two feet. Greatly surpasses the older kinds. Each, 60c; three, $1.50.

Dierama (Sparaxis Pulcherrima)

The best of several species of these South American bulbous plants and the most graceful and one of the most beautiful of all decorative plants. Long, slender, grass-like foliage and slender, wiry, gracefully drooping stems four to six feet in height, bearing numerous pendulous deep rose-colored flowers like a gigantic Ixia. Of unique and graceful decorative value. For parks, lawns, gardens, hall, or house adornment, few plants can compare with these. Hardy where the ground does not freeze over three inches deep. Strong nursery-grown plants. Large clumps, each, 75c; three, $1.50; ten, $2.50; per hundred, $12.

Isemena Calathina

This unique and beautiful flowering bulbous plant from the mountains of Peru belongs to the Amaryllis family, but is much more

easily raised. The large pearly white flowers are among the most unique and handsomest of bulbous plants. Plant out of doors in California. Large field-grown bulbs, each, 30c; ten, $2.

Cannas

Too well known to need general description.

"Tarrytown"

The best of my crimson seedlings. Height, four feet. It is well known that no Canna surpasses this triple truss, pure crimson Canna in brilliance of color and freedom of bloom. It sends out truss after truss of flowers from Spring to frost; a veritable mass of crimson. Each, 30c; ten, $1.50.

Canna

"Burbank"

This is now well known and prized everywhere for its giant, pure yellow flowers and broad, thick, dark-green foliage. Height, three feet; each, 20c; ten, 75c; one hundred, $6.

Canna

"Wintzer's Giant"

The largest Canna ever grown. The deep crimson flowers are six to seven inches across. Free bloomer. Height, five feet. Each, 25c; ten, $2.

New Hybrid Crinums

The Crinums have flowers and bulbs somewhat resembling the Amaryllis. Many of the best species are tropical and can not, therefore, be grown where frosts occur. Some twenty-five years ago my own work with the Crinums commenced, and from this work new, beautiful, *hardy varieties* have been produced.

The bulbs of all these here offered will thrive outdoors throughout most of California and similar climates, and anywhere if taken up in the Fall and kept dry through the Winter. Flowers very large, like Amaryllis, mostly purest white and pale rose; often fragrant. *Beautiful new hybrids. Enormous bulbs weighing five to seven pounds.* Each, $2; ten, $15. Vigorous offsets, each, 50c; ten, $3.50.

New Hybrid Camassias

The improvements made with these fine, hardy, bulbous plants on my own grounds during the past twenty years have been about all that

has ever been done for them since Nature fitted them for their wild environment. Those heretofore offered everywhere have been mostly gathered from the wilds. These new hybrids show a very great improve-

The Burbank Hybrid Camassias

ment over anything before known. The blossoms are larger, set closer on the stem, are brighter in color, and vary far more widely than any before known. Large bulbs, each, 25c; ten, $1.50.

A New Decorative Flower

The Flowering Rush (Scirpus Elegans)

Everybody everywhere knows the Bulrush, one of the commonest of the sedges. This new one produces handsome rosettes of large rose-pink flowers which burst forth from the sides of the round tule-like leaves early in Spring. The cut shows the fine decorative value of this most curious perennial flowering rush. Easily grown on any comon garden soil. Plants, each, 40c; three, $1.

The New Plant Creation, the Flowering Bulrush

A New Agapanthus (Cape Colony Lily)

Agapanthus Albo Gigantea

A new gigantic Agapanthus, bearing immense heads of snow-white flowers on strong stems, nearly four feet in height. The flowers last for many weeks and have a most unusual decorative value. A distinct new florists' flower which will become popular everywhere. Never before offered. Strong field-grown divided roots. Each, $3; two, $5. One year seedling plants, each, 35c; ten, $2.50.

A New Tritoma

Exquisite

A most beautiful new dwarf, almost ever-blooming Tritoma, bearing yellow flowers, shaded crimson, in unusual abundance. Each, 50c; ten, $3.

Various Other Bulbous and Similar Plants

Acanthus Mollis Latifolia

One of the most striking, rapid growing, and most decorative of all perennial garden and park plants. Gigantic, glossy, crenate leaves in abundance. Height, three to four feet. Improves in beauty and effectiveness from year to year. Rare. Fine field-grown plants; each, 75c; two, $1; five, $3.

Burbank Hybrid Delphiniums

Many Eastern seedsmen, florists, and Superintendents of Parks recommend this most beautiful perennial strain as the best so far produced. The flowers are extremely large and of the softest mild shades of blue and lavender, with pale shades of rosy pink; single and double. Selected for years with unusual care. Plants, each, 25c; ten, $1.75. *Seed* (blooms the first season), per packet, 25c.

New Ever-blooming Crimson-Scarlet Perennial Hybrid Poppies

The most stately and beautiful of all the poppies; a most remarkable ever-blooming strain produced by crossing the *annual* Poppy (Papaver Somniferum) with the *perennial* Oriental Poppy (p. Orientale), resulting in Poppies that in a mild climate bloom *ten or twelve months continuously.* Never before offered. Roots, each, 50c; three, $1.

New Seedlings of Scilla Amoena

The Burbank Hybrid Larkspur

Extremely handsome hyacinth-like early Spring flowering bulbs of easiest culture. Flowers blue, white, and sometimes rose color. Height, eight inches. Bulbs, ten, 25c; hundred, $2.

"Starfish Plant"

(Stapelia Asterias)

An interesting low-growing South African succulent plant with very curious but not fragrant flowers, two inches or more across. A warm, sunny location suits it. Each, 20c; ten, 75c.

Anthericum Major—White. Each, 20c; ten, $1.

Iris—New, tall, pure yellow Chilian. Each, 60c.

Iris Versicolor—The hardy Eastern "Blue Flag." Flowers, light blue variegated with white, yellow, and purple. Each, 20c; three, 50c; ten, $1.50.

Richardia *(Calla)*—A fine, new, free blooming variety. Ten, 50c; hundred, $3.

Phornium Tenax *(New Zealand flax)*—A large, handsome, useful, and decorative perennial plant. Field grown. Each, 40c; ten, $3.

Soap Root—A new dwarf kind which multiplies rapidly by bulb division. Each, 20c; ten, $1.

Brodiaes of many kinds. Ten of a kind, 25c.

Magnificent New Dahlias in their season.

Rare Ornamental Cacti

During my experiments in producing improved fruiting and forage cactus, there were growing at one time on my place several hundred species and innumerable varieties of cactus. The least attractive were from time to time weeded out, and I now offer the best selection. All grow best in warm, sunny locations. Cuttings of all root well if planted in *dry sand* in a warm place. All these are as hardy as orange or fig trees, and may be grown in house, greenhouse, or out of doors where the ground does not freeze. Besides these I have some fine Phyllocactus, Cereus, and curious variegated Opuntias. *SIX VARIETIES including those named below,* $2.

"Woolly"
(Opuntia)

A curious Opuntia with *woolly* leaves and short woolly spines; height, about three feet, flowers yellow. Cuttings, 25c.

"Opuntia Basilaris"

A new form with unusually large, handsome, deep rosy crimson flowers; height, twelve to fifteen inches. Cuttings, 25c.

"Quisco"
(Cereus Chilensis)

This is the native name of a South American corrugated, handsome, tall, barrel-shaped cactus having very numerous, but not vicious spines. Large blossoms of various colors, followed by good fruit with white pulp and minute black seeds. Cuttings, 40c.

"The Favorite"
(Echinopsis Pentlandi)

The Peruvian hedgehog cactus, a variety which bears large, beautiful, delicate, rose-pink flowers in the utmost profusion even on small plants. Makes a fine border plant. Cuttings, 25c; ten, $1.

"Pitajaya"
(Cereus Variabilis)

Sometimes classified as Cereus Pernambucensis. There are numerous forms of the Pitajaya cactus both in flower and fruit. The variety offered has great pure-white flowers, nearly eight inches across; the plants are quite hardy in most parts of California. The variety here offered also bears a most delicious globe-shaped fruit, the flesh of which is snow white, which is greatly prized by all who know it. (See cut.) Large cuttings, 75c; rooted cuttings, $1.25. Seeds per packet, 25c.

"Pitajayas" in Bloom

The Training of the Human Plant

By LUTHER BURBANK

Dedicated to the Sixteen Million Public School Children of America and to the Untold Millions Under Other Skies

A book, primarily, for every parent and every teacher, but, also,

A book to be read by every thinking man and woman.

It is a prophecy of the finest race the world has ever known.

It is a startling presentation of the possibilities of the ideal in character.

It is a plea for an heredity, environment, and training which shall realize here and now the ideal.

LUTHER BURBANK CLAIMS:

By placing ourselves in harmony and co-operation with the main high potential lines of human progress and welfare we receive the benefit of strong magnetic induction currents.

We are now standing upon the threshold of new methods and new discoveries which shall give us imperial dominion.

"Luther Burbank is unquestionably the greatest student of life and philosophy of living things, in America if not in the world."—*S. H. Comings, Corresponding Secretary American League of Industrial Education.*

"Well worth reading by all parents."—*Friends' Intelligencer.*

"It should have a place in every normal school library and in that of every parent and all interested in the progress of humanity."—*Kindergarten Review.*

"During the course of many years of investigation into the plant life of the world, creating new forms, modifying old ones, adapting others to new conditions, and blending still others, I have constantly been impressed with the similarity between the organization and development of plant and human life," is Luther Burbank's introduction to his discussion of "The Training of the Human Plant."

Mr. Burbank believes, further, that upon a wisely directed crossing of species rests the hope of all progress, and that in the United States today exists the grandest opportunity ever presented of developing the finest race the world has ever known.

Out of the richness of his years of experience and investigation, Mr. Burbank urges an ideal training looking toward an ideal race. He shows that we are more crossed than any other nation in the history of the world, and that we meet the same results that are always seen in a much-crossed race of plants; if we follow the teaching of Nature, we may produce the finest race ever known.

He demands for the child of the race—most sensitive of living things—first and foremost an heredity and environment of love; differentiation in training, sunshine, good air, and nourishing food. He condemns the marriage of the physically unfit, and discusses at length heredity, predestination, training, growth, environment, and character. The fundamental principles of education, Mr. Burbank declares, should be the subject of earnest scientific investigation including *all* the causes which tend *TO PRODUCE MEN AND WOMEN WITH SANE, WELL-BALANCED CHARACTERS.*

THE CENTURY CO.

60c NET; 65c BY MAIL

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